

**Subject:** Minutes: DSS-13 Weekly Meeting 12-23-09

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## Minutes: DSS-13 Weekly Meeting on 12-23-09

### DSS-13 Science/Engineering Activities:

**DSS-13 Downlink Gain:** On DOYs 342 & 343, T. Peng and A. Freiley did 32- GHz downlink gain measurement from input to the LNA all the way to the input of the IF spectrum analyzer in the control room. It is found that the combined gain (and loss) of 70.6 dB for RCP and 75.1 dB for LCP. The measured data helps them clarify the discrepancy of the downlink gain test performed during October 21-23.

**VLBI:** There were two VLBI tracks on DOY349 and DOY 350 at position2, S and X-bands.

**Tipping Curves:** The tipping curve data collection is completed except for the Ka-band because of the weather. There was a Ka-band data collection on DOY 345. A. Freiley is analyzing the data.

**Pointing Models:** D. Rochblatt sent information of strong sources for pointing model data collection on DOY 351 and DOY 352. There are four sources with six tracks each day. We missed 1-2 sources because there was a problem getting the script running in time. All data files have been sent to David for the analysis.

**DSS-13 Power and UPS protection:** C. Lowry and his crew agree to come and work on swapping electrical power loads from the current UPS to the new UPS on December 28 and 29. Gary will call him today to remind him about this plan.

**M5 Position Controller:** P. Dendrenos got response from Tom O' Brien, Sale Director of Megown Test & Measurement that they don't have this unit at this time. This is the only vender that puts an ad on this product (M5 position controller, Scientific Atlanta 4131-1-3 positioner controller). The search continues.

**Report on Helium Supply Pressures:** All five units are in normal operating ranges which are about 260 psi.

## Watt

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